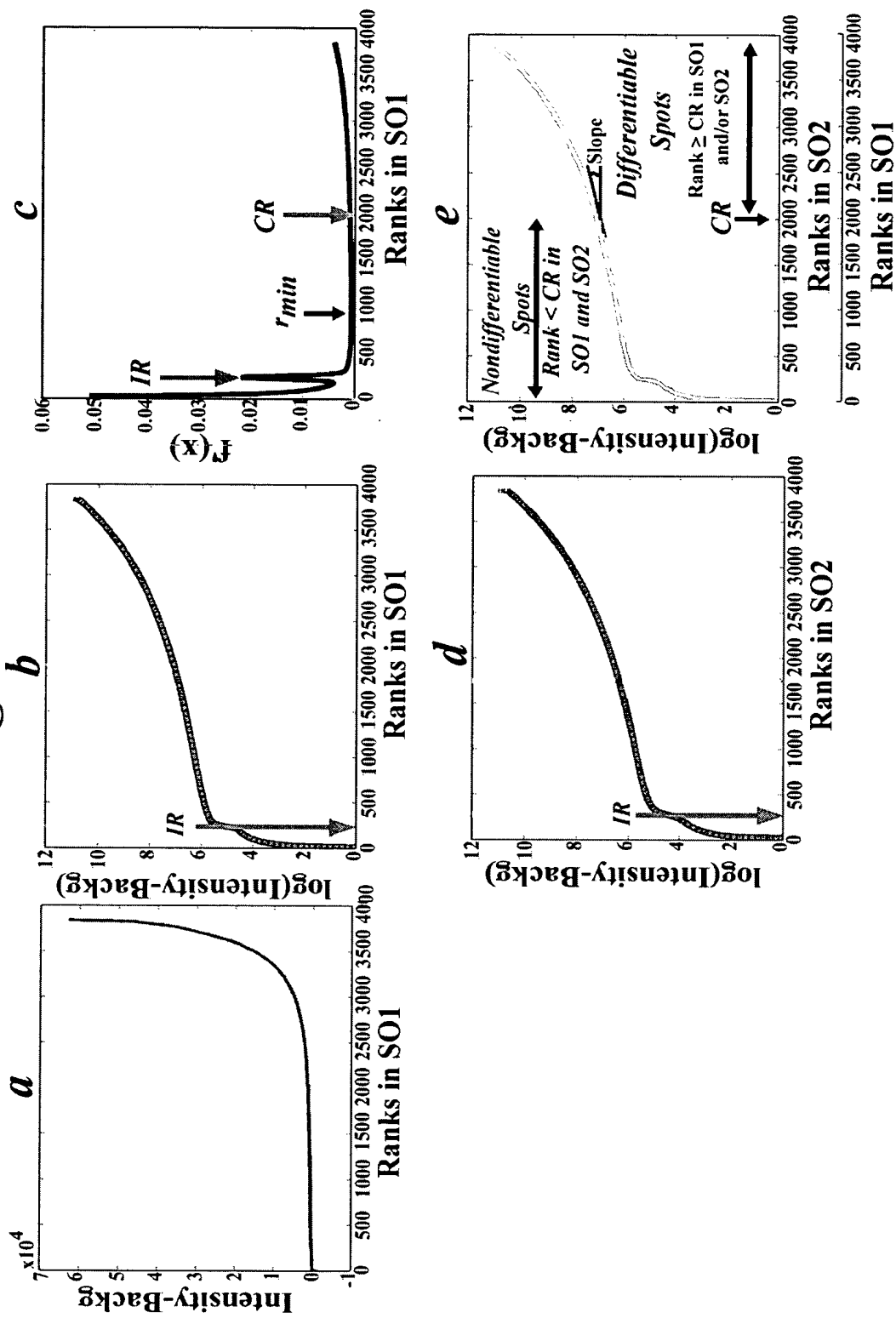


Figure 1 consists of five panels (a-e) illustrating the relationship between rank and various metrics for SO1 and SO2.

- Panel a:** Intensity-Backg ( $\times 10^4$ ) vs Ranks in SO1. The curve starts at 0 for low ranks and increases sharply, reaching a plateau around  $6 \times 10^4$  for ranks above 1000.
- Panel b:**  $\log(\text{Intensity-Backg})$  vs Ranks in SO1. The curve starts at 0 for low ranks and increases sharply, reaching a plateau around 11 for ranks above 1000.
- Panel c:**  $f(x)$  vs Ranks in SO1. The curve shows a sharp peak at rank 0, followed by a rapid decay to 0. Key points marked include  $IR$  (Intensity-Backg),  $r_{min}$ , and  $CR$  (Critical Rank).
- Panel d:**  $\log(\text{Intensity-Backg})$  vs Ranks in SO2. The curve starts at 0 for low ranks and increases sharply, reaching a plateau around 11 for ranks above 1000.
- Panel e:**  $\log(\text{Intensity-Backg})$  vs Ranks in SO1 and SO2. The plot shows two curves: a solid line for SO1 and a dashed line for SO2. The region where the curves are nearly horizontal is labeled "Nondifferentiable". The region where the curves diverge is labeled "Differentiable". The region where the curves are nearly vertical is labeled "Spots". The region where the curves are nearly horizontal is labeled "Rank  $\geq CR$  in SO1 and/or SO2".



**Figure 2**

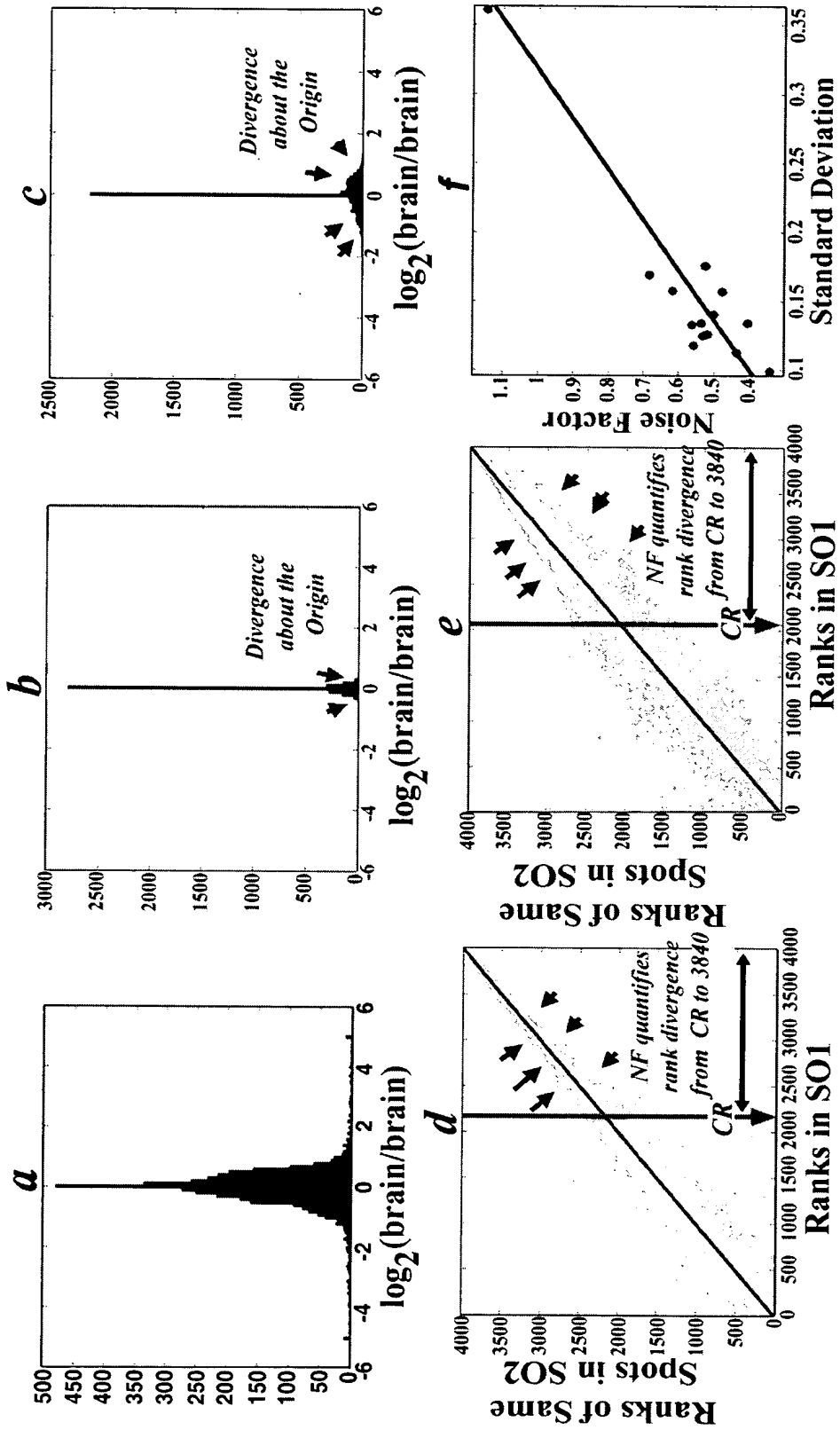
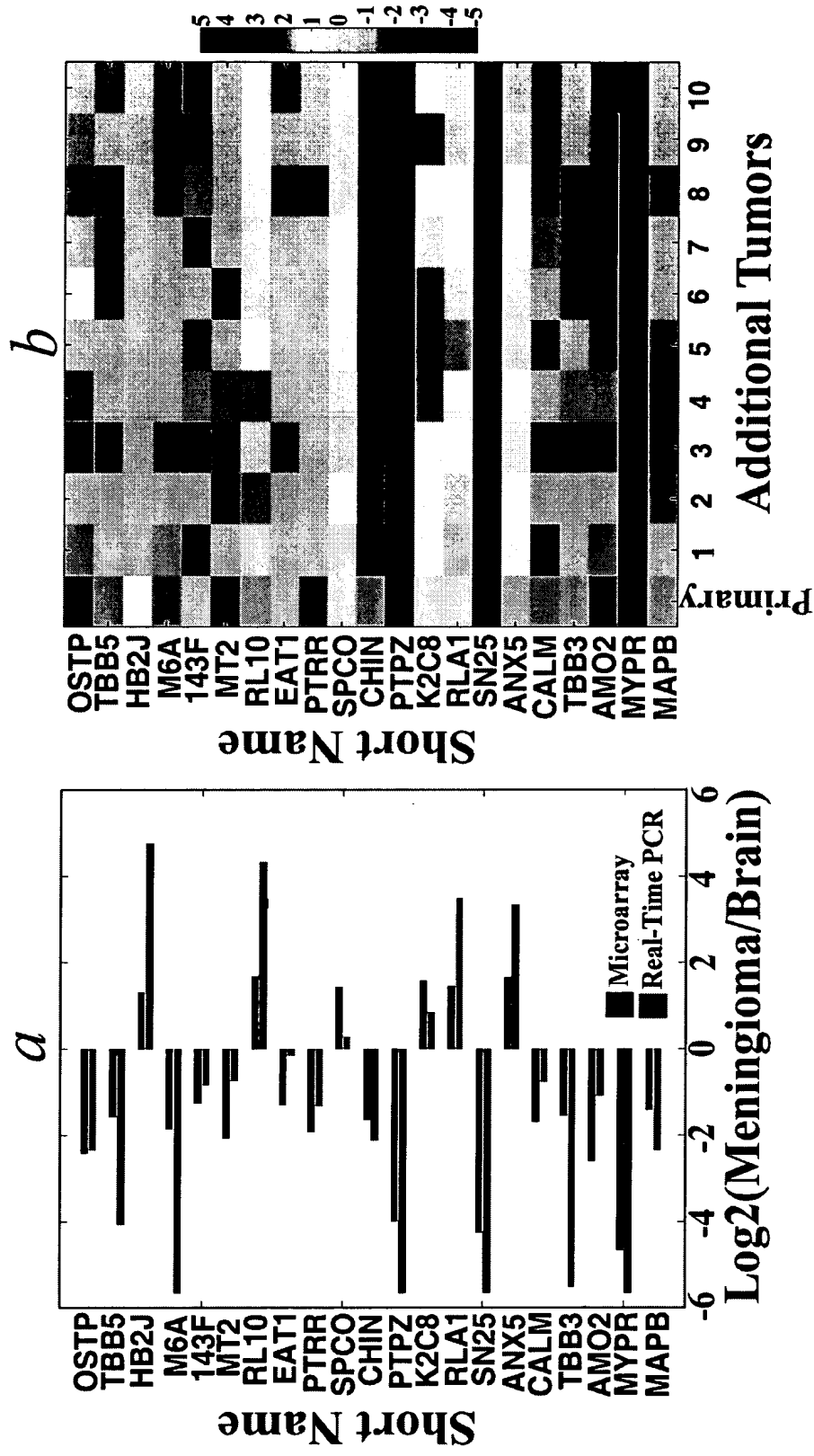
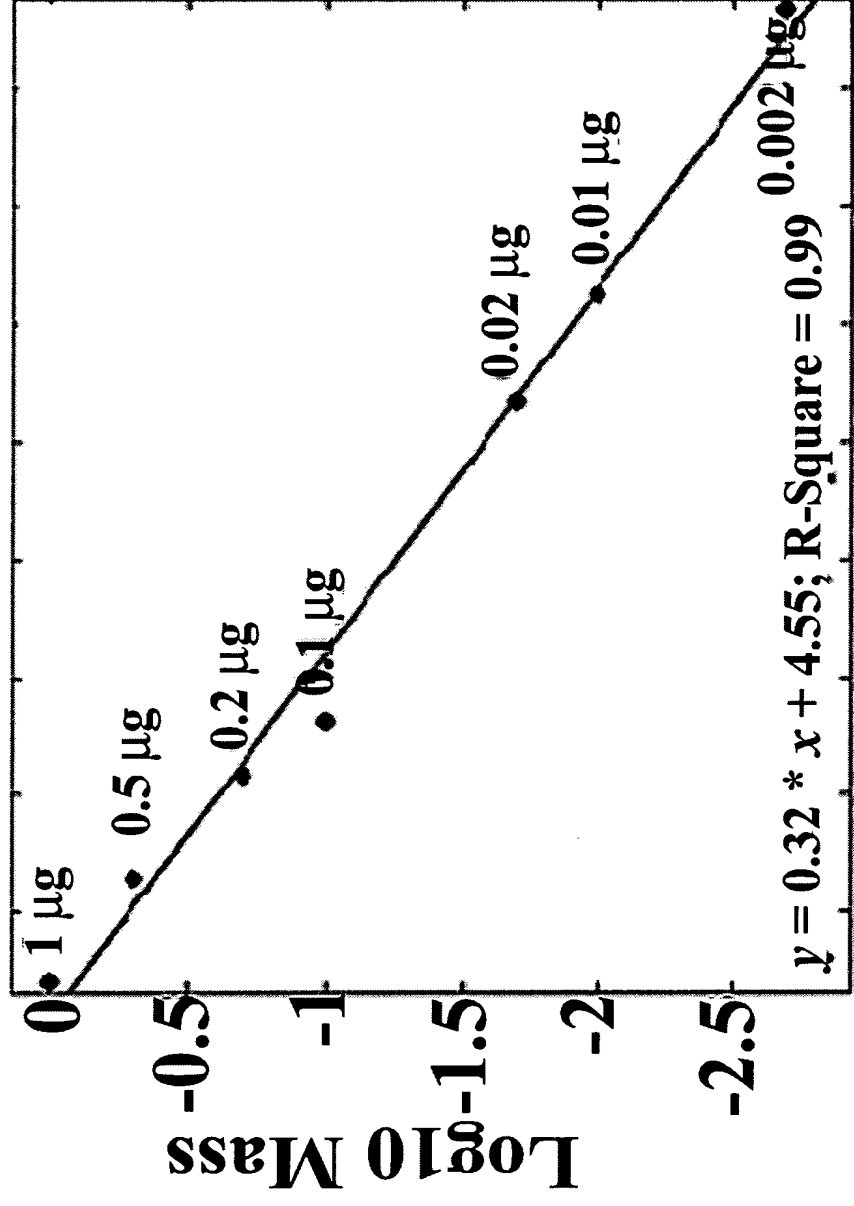


Figure 3

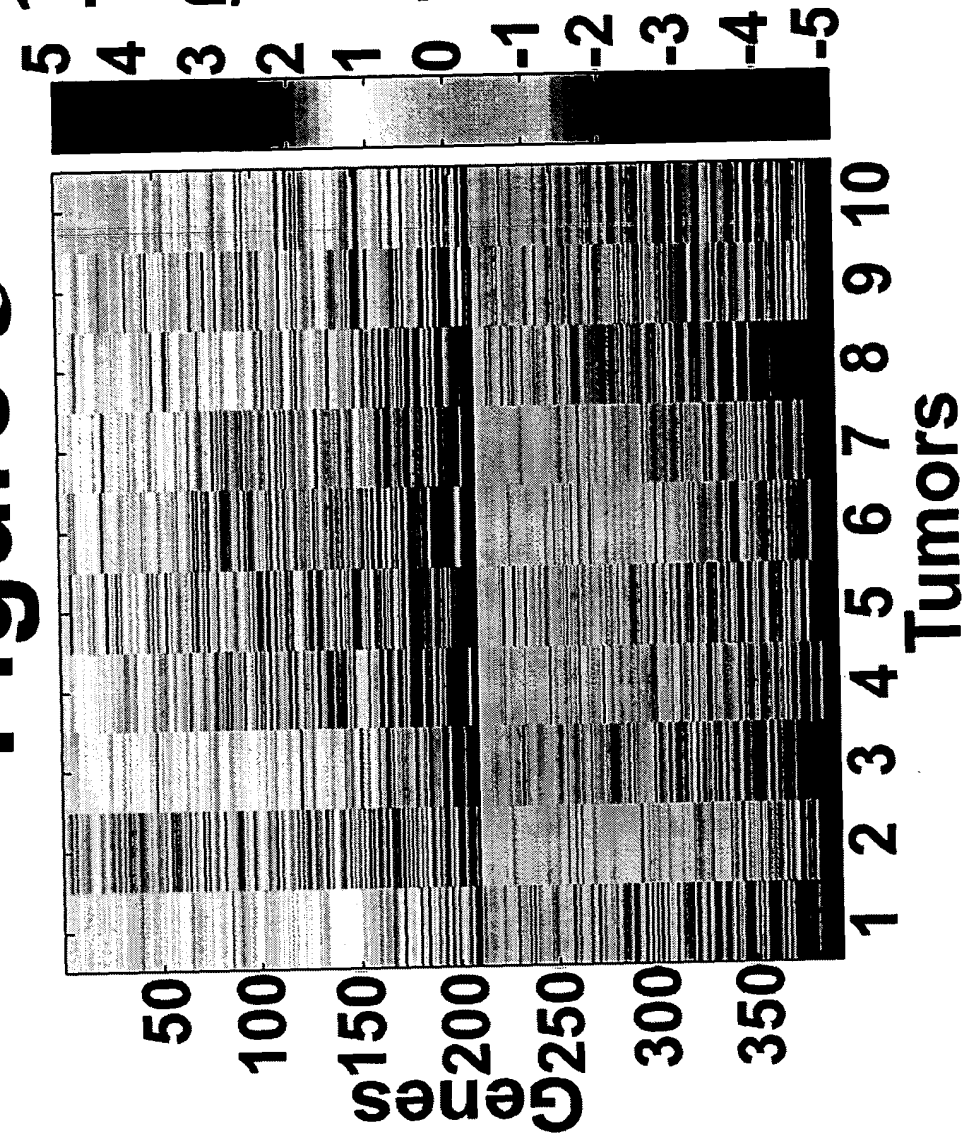


# Figure 4



15 16 17 18 19 20 21 22  
Threshold Cycle

**Log2(Meningioma/Brain)**



# Figure 6

